

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application. Applicant has submitted a new complete claim set showing marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

Listing of Claims:

1. (Currently amended) A method comprising:
 - recording action information pertaining to a first action executed in a first computer application;
 - identifying a cross-source relationship between the first action and a second action executed in a second computer application, the first computer application being a different computer application from the second computer application;
 - executing a first action management operation on the first action responsive to executing the first action management operation, executing a second action management operation on the second action based on the identified cross-source relationship; and
 - outputting a result corresponding to executing the first action management operation or the second action management operation,

wherein execution of the first action generates a first result of the first computer application, execution of the second action generates a second result of the second computer application, executing the second action management operation includes modifying the second result of the second action, and executing the first action management operation includes fixing the first action, the fixing including:

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undoing a dependent action, the dependent action being dependent on the first action;

undoing the first action;

receiving a corrected action corresponding to the first action;

executing the corrected action; and

redoing the dependent action.

2. (Previously presented) The method of claim 1 wherein the cross-source relationship includes a predecessor-successor relationship between the first action and the second action.
3. (Previously presented) The method of claim 2 wherein execution of the second action is dependent on the execution of the first action.
4. (Currently amended) The method of claim 3 wherein the first action is a different action from the second action and the second action is not executed if the first action is not executed.
5. (Currently amended) The method of claim 3 wherein the first action is a different action from the second action and execution of the first action generates results that are different from results generated by execution of the ~~second~~ second action.
- 6-8. (Canceled)
9. (Currently amended) The method of claim ~~8~~ 1 wherein the first action management operation includes undoing the first action and rolling back the first result.

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10. (Previously presented) The method of claim 9 wherein the second action management operation includes the second action, and wherein undoing the second action includes rolling back the second result.
11. (Previously presented) The method of claim 10 wherein the second action is a different action from the first action.
12. (Canceled)
13. (Currently amended) The method of claim 7-1 wherein the second application is inactive and executing the second action management operation includes;
activating the second application; and
accessing the second action management operation on the second action based on the activating.
14. (Previously presented) The method of claim 1 wherein the cross-source relationship includes an atomic parcel relationship between the first action and the second action.
15. (Previously presented) The method of claim 1 wherein executing the first action management operation includes:
displaying a plurality of first computer application actions executed in the first computer application, wherein the plurality of first computer application actions includes the first action;

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receiving a selection of the first action in the plurality of first computer application actions; and
executing the first action management operation on the selected first action.

16. (Previously presented) The method of claim 1 wherein identifying the cross-source relationship includes receiving a related action identifier from the first computer application, the related action identifier indicating the cross-source relationship between the first action and the second action.

17. (Previously presented) The method of claim 1 wherein the first action, the second action, the first action management operation, and the second action management operation are executed by a single user.

18. (Canceled)

19. (Currently amended) A computer readable storage medium encoding a computer program for executing on a computer system a computer process, the computer process comprising:

recording action information pertaining to an action of the first computer-related source;

recording a related action identifier corresponding to the action of the first computer-related source, the related action identifier for indicating an associated relationship with a recorded action of a second computer-related source, the first computer-related source being a different computer-related source from the second computer-related source;

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displaying the action information including the action of the first computer-related source and at least one action management operation;
receiving a selection of the action of the first computer-related source and the at least one action management operation;
executing the selected at least one action management operation on the selected action of the first computer-related source;
executing the selected at least one action management operation on the recorded action of the second computer-related source based on the associated relationship; and
outputting a result corresponding to executing the selected at least one action management operation on the selected action of the first computer-related source or on the recorded action of the second computer-related source. The computer-readable storage medium of claim 18

wherein executing the selected at least one action management operation on the recorded action of the second computer-related source comprises:

identifying the related action identifier;
 comparing the related action identifier to the recorded action of the second computer-related source; and
 executing the selected at least one action management operation on the recorded action of the second computer-related source based on the comparing.

20. (Previously presented) The computer readable storage medium of claim 19 wherein executing the selected at least one action management operation on the recorded action of the second computer-related source comprises executing the selected at least one action management operation on the recorded action only if the related action identifier matches the recorded action.

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21. (Currently amended) The computer readable storage medium of claim ~~48~~19 wherein the first computer-related source comprises a first computer application and the second computer-related source comprises a second computer application, the first computer application being a different computer application from the second computer application.

22. (Previously presented) The computer readable storage medium of claim 21 wherein the second computer application is inactive and wherein executing the selected at least one action management operation on the recorded action of the second computer-related source comprises:

activating the second computer application; and

executing the selected at least one action management operation on the recorded action of the activated second computer application.

23. (Previously presented) The computer readable storage medium of claim 21 wherein recording action information pertaining to an action of the first computer-related source comprises:

receiving a first log of actions from the first computer application, the first log of actions including actions executed on the first computer application; and

receiving a second log of actions from the second computer application, the second log of actions including actions executed on the second computer application.

24. (Previously presented) The computer readable storage medium of claim 23 wherein recording a related action identifier includes receiving the related action identifier from the first computer application.

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25. (Currently amended) A computer readable storage medium encoding a computer program for executing on a computer system a computer process, the computer process comprising:

recording action information pertaining to an action of the first computer-related source, the first computer-related source including a first computer application, including:

receiving a first log of actions from the first computer application, the

first log of actions including actions executed on the first computer application; and

receiving a second log of actions from the second computer application, the second log of actions including actions executed on the second computer application;

recording a related action identifier corresponding to the action of the first computer-related source including receiving the related action identifier from the first computer application, the related action identifier for indicating an associated relationship with a recorded action of a second computer-related source comprising a second computer application, the first computer-related source being a different computer-related source from the second computer-related source and the first computer application being a different computer application from the second computer application;

displaying the action information including the action of the first computer-related source and at least one action management operation;

receiving a selection of the action of the first computer-related source and the at least one action management operation;

executing the selected at least one action management operation on the selected action of the first computer-related source;

executing the selected at least one action management operation on the recorded action of the second computer-related source based on the associated relationship; and

outputting a result corresponding to executing the selected at least one action management operation on the selected action of the first computer-related source or on the recorded action of the second computer-related source

~~The computer-readable storage medium of claim 24 wherein executing the selected at least one action management operation on the recorded action of the second computer-related source includes:~~

~~comparing the related action identifier received from the first computer application to the recorded action of the second computer-related source; and~~

~~executing the selected at least one action management operation on the recorded action of the second computer-related source based on the comparing.~~

26. (Previously presented) The computer readable storage medium of claim 25 wherein executing the selected at least one action management operation on the recorded action of the second computer-related source only if the related action identifier received from the first computer application matches the recorded action.

27-48. (Canceled)

49. (Previously presented) The method of claim 1 further comprising receiving a first log of actions from the first computer application and a second log of actions from the second computer application, the first log of actions including actions executed in the

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first computer application and the second log of actions including actions executed in the second computer application.

50. (Previously presented) The method of claim 49 wherein at least one action in the first log of actions has a cross-source relationship with at least one action in the second log of actions.

51. (Previously presented) The method of claim 49 wherein each action in the first log of actions and each action in the second log of actions includes an action identifier for identifying the corresponding action.

52. (Previously presented) The method of claim 49 wherein the first log further contains a first source identifier for identifying the first computer application and the second log further contains a second source identifier for identifying the second computer application.

53. (Previously presented) The method of claim 52 wherein the first source identifier and the second source identifier are different.

54. (Previously presented) The method of claim 1 further comprising:
displaying a plurality of first computer application actions executed in the first computer application, wherein the plurality of first computer application actions includes the first action;

displaying a plurality of action management operations wherein the plurality of action management operations includes the first action management operation;

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receiving a selection of the first action in the plurality of first computer application actions; and

receiving a selection of the first action management operation in the plurality of action management operations.

55. (Previously presented) The method of claim 54 wherein identifying a cross-source relationship includes receiving a related action identifier corresponding to the first action, the related action identifier for indicating a cross-source relationship between the first action and the second action.

56. (Previously presented) The method of claim 55 wherein executing the first action management operation on the first action includes executing the selected first action management operation on the selected first action.

57. (Currently amended) A computer-implemented method for modifying a previously applied action in an application, the method comprising:
recording at least one action information pertaining to a first corresponding to a first application and an associated relationship between the at least one action executed in a of the first computer application;
identifying a cross-source relationship between the first action and a recorded second action of executed in a second computer application, the first computer application being a different computer application from the second computer application including receiving a related action identifier corresponding to the first action, the related action identifier for indicating a cross-source relationship between the first action and the second action;

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executing a first action management operation on the at least one first action of the first application, the first operation causing a first modification to the at least one action of the first application including executing the selected first action management operation on the selected first action;

responsive to executing the first action management operation, executing a second action management operation on the recorded action of the second application responsive to the execution of the first operation on the at least one action of the first application and based on the identified relationship; and between the at least one action of the first application and the recorded action of the second application, the second operation causing a second modification to the recorded action of the second application corresponding to the first modification to the action of the first application

outputting a result corresponding to executing the first action management operation or the second action management operation

displaying a plurality of first computer application actions executed in the first computer application, wherein the plurality of first computer application actions includes the first action;

displaying a plurality of action management operations wherein the plurality of action management operations includes the first action management operation;

receiving a selection of the first action in the plurality of first computer application actions; and

receiving a selection of the first action management operation in the plurality of action management operations.

The method of claim 56 wherein executing the second action management operation on the second action includes:

comparing the related action identifier to the second action; and

executing the second action management operation based on the comparing.

58. (Previously presented) The method of claim 57 wherein executing the second action management operation based on the comparing comprises executing the second action management operation if the related action identifier matches the second action, otherwise not executing the second action management operation on the second action.

59. (New) The computer readable storage medium of claim 19 wherein the action management operation comprises:

replacing the action of the first application and the recorded action of the second application with another action of a different action type.

60. (New) The computer readable storage medium of claim 19 wherein the action management operation comprises:

replacing the action of the first application and the recorded action of the second application with another action of the same action type having different action parameters.

61. (New) The computer readable storage medium of claim 19 wherein the action management operation comprises:

replacing the action of the first application and the recorded action of the second application with multiple actions.

62. (New) The computer readable storage medium of claim 19 wherein recording action information pertaining to an action of the first computer-related source includes recording a plurality of actions corresponding to the first application, the plurality of actions including the at least one action and a dependent action dependent on the at least one action.

63. (New) The computer readable storage medium of claim 19 wherein the second application is inactive and wherein the computer process further comprises:

executing the inactive second application responsive to execution of the action management operation.

64. (New) The computer readable storage medium of claim 19 wherein the second application comprises a document.

65. (New) The computer readable storage medium of claim 19 wherein the second application comprises an inactive document and the computer process further comprises:

executing an application on the inactive document responsive to execution of the action management operation.

66. (New) The computer readable storage medium of claim 62 wherein the dependent action is automatically modified responsive to modification of the at least one action of the first application.